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PATENT ABSTRACTS OF JAPAN

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1)Application number : 01-188995

(71)Applicant : EASTMAN KODAK CO

2)Date of filing : 24.07.1989

(72)Inventor : STEKLENSKI DAVID JOHN

0)Priority

Priority number : 88 223811 Priority date : 25.07.1988 Priority country : US

4) FUSIBLE SEPARATOR FOR LITHIUM BATTERY

7)Abstract:

PURPOSE: To manufacture a thin separator safely applicable to a lithium battery with a smaller number of processes by joining a nonwoven layer which is fusible at a predetermined temperature on a porous or minutely porous support body.

CONSTITUTION: A thin and strong support body is formed out of typically a minutely porous polypropylene film. A nonwoven layer is formed out of typically a wax or polymer which is soluble at melting points of 80 to 150°C for example sufficiently lower than the temperature of a battery in its critical state in which the layer itself is used as a composition of a separator. The nonwoven layer is joined on the support body by means of the melt blow method or the like to form a thin separator in a reduced number of processes. The separator sufficiently separates both poles of a battery from each other and thus prevents a rise in temperature of the battery even upon a risk of firing due to a temperature rise thereof because of its melting prior to firing.

GAL STATUS

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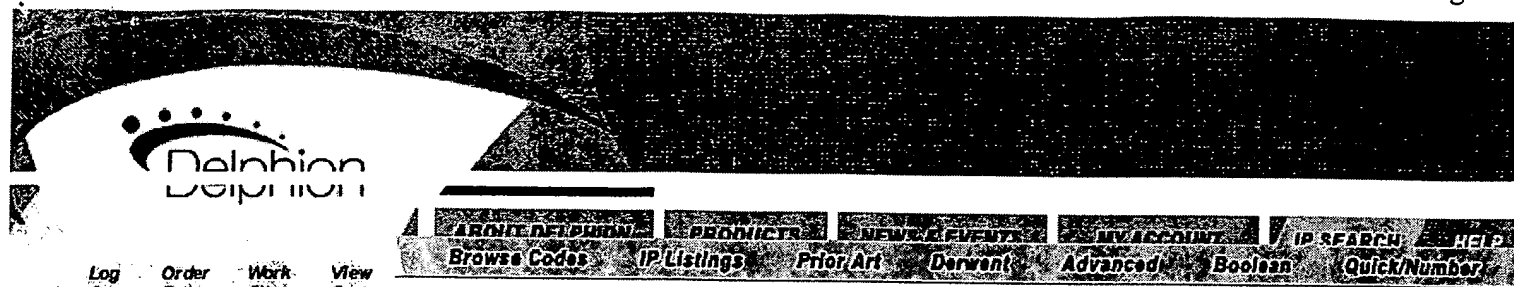
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Title: **JP2075152A2: FUSIBLE SEPARATOR FOR LITHIUM BATTERY**
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Country: **JP** Japan
 Kind: **A**

Inventor(s): **STEKLENSKI DAVID JOHN**

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Applicant/Assignee:

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Issued/Filed Dates:

March 14, 1990 / July 24, 1989

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Abstract:



Purpose: To manufacture a thin separator safely applicable to a lithium battery with a smaller number of processes by joining a nonwoven layer which is fusible at a predetermined temperature on a porous or minutely porous support body.

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